

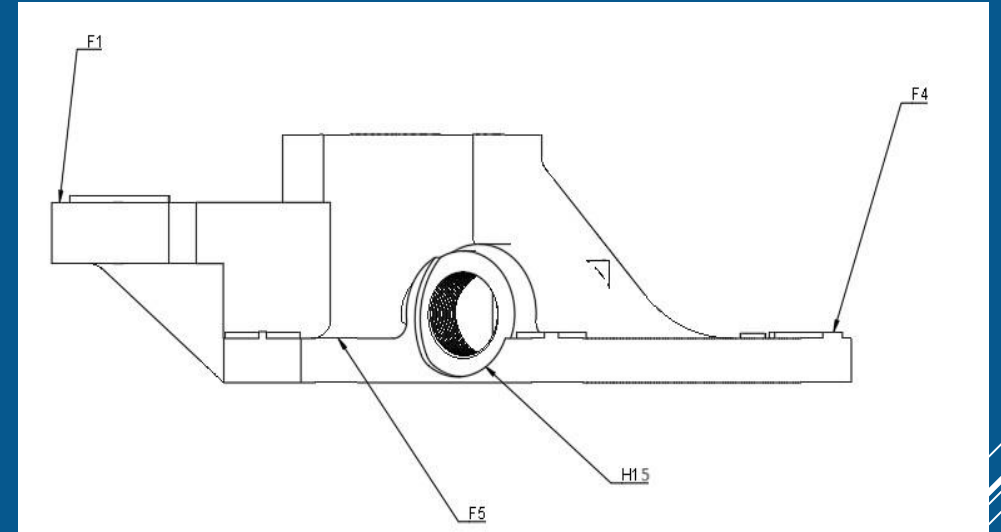
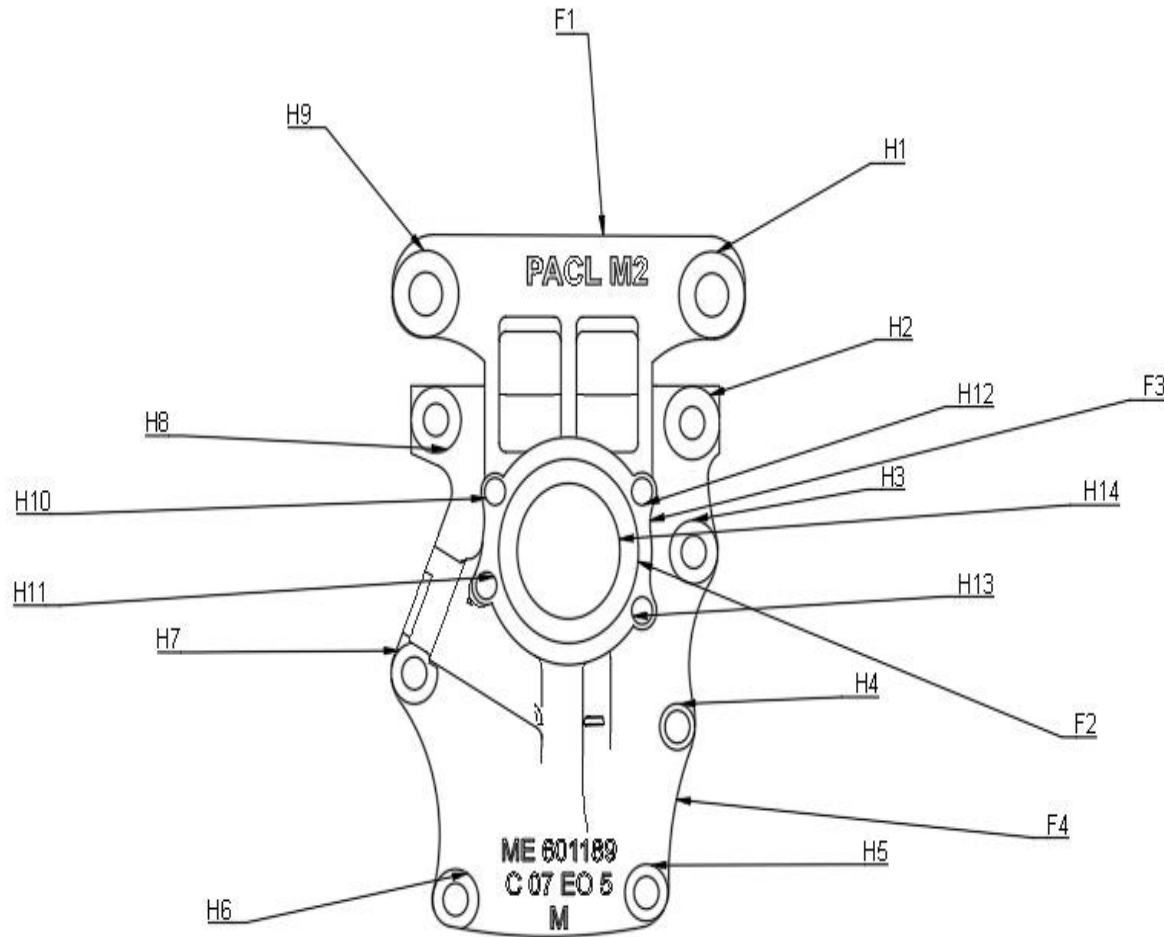
## Component no. 16 : Gearbox Side Plate

**RACHIT AGRAWAL 21003059**

**RAJNESH MEENA 210003061**

**RAMAVATH RANJITH NAIK 210003062**

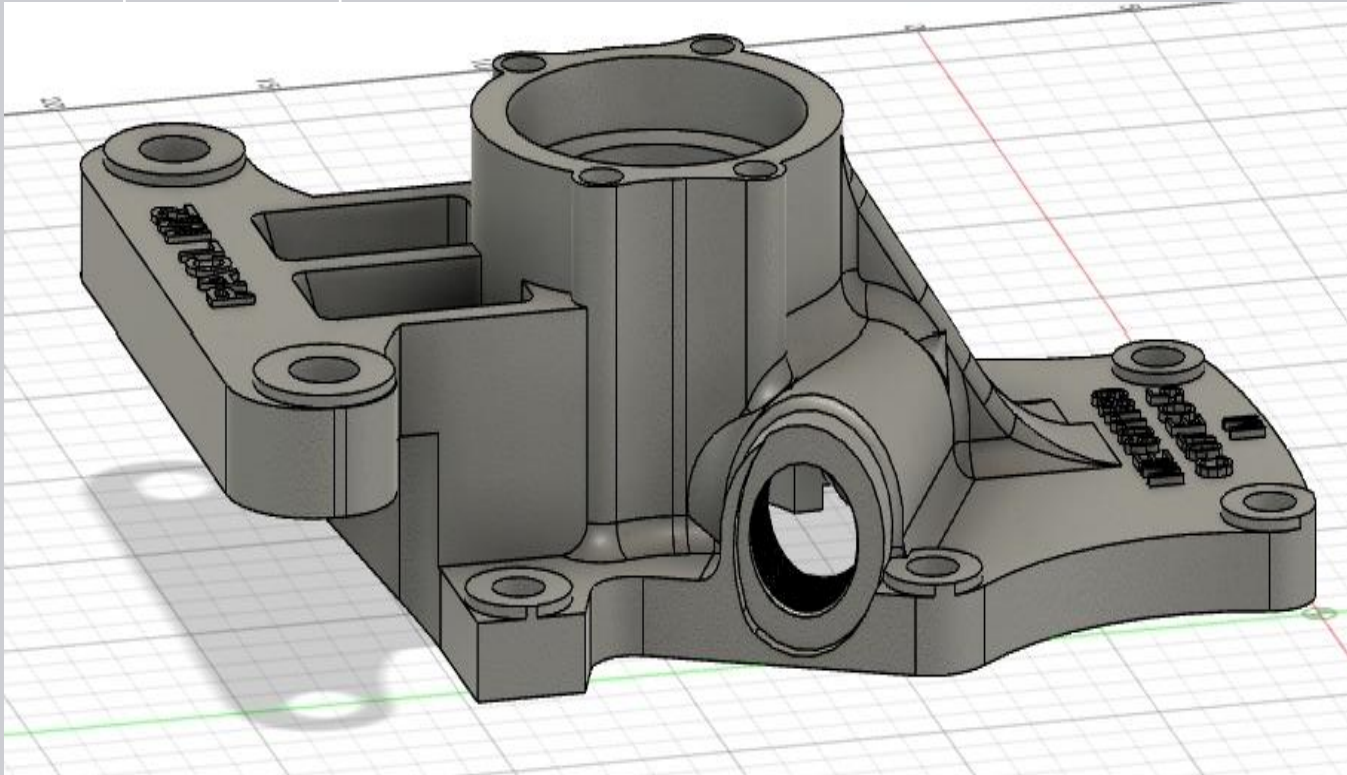




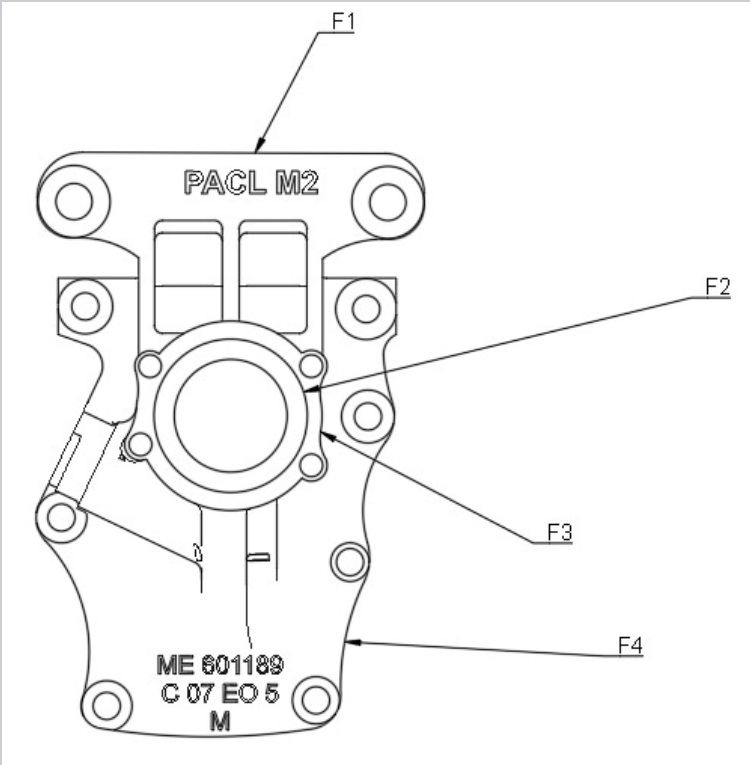
F1 : Face 1  
 F2 : Face 2  
 F3 : Face 3  
 F4 : Face 4  
 F5 : Face 5

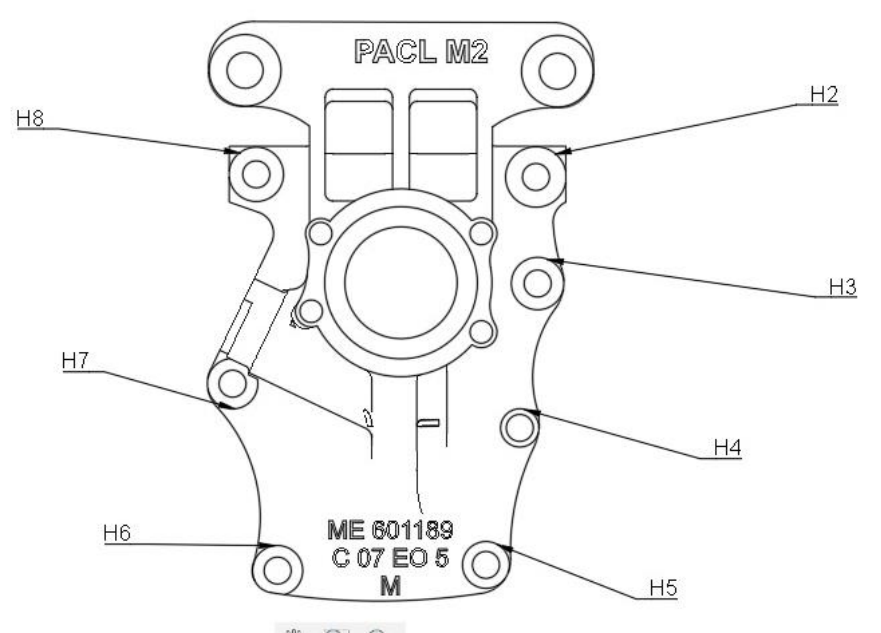
H for Holes

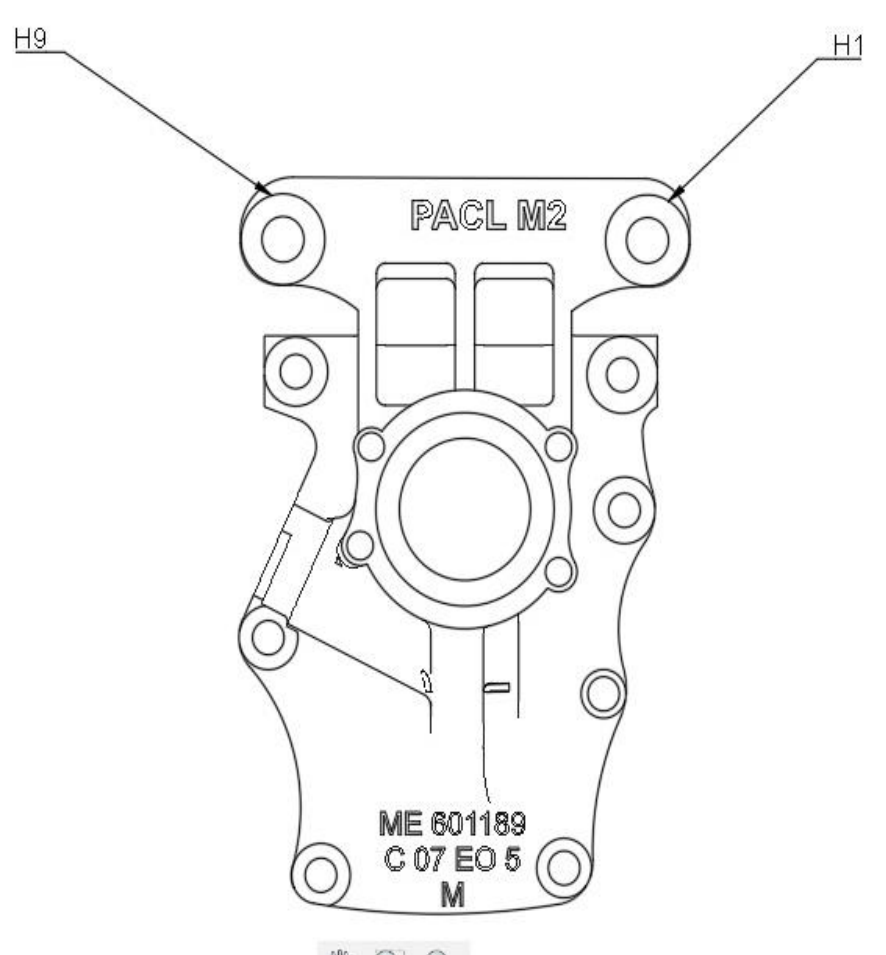
# Process Sheet

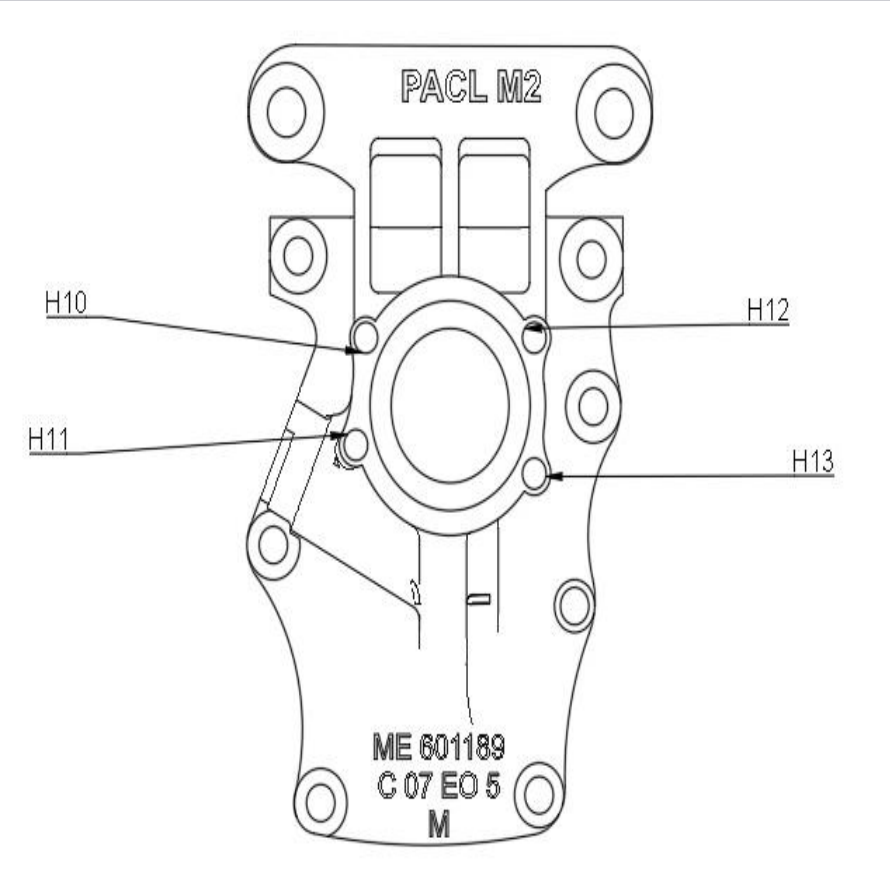
S.no.	Description	Machine		
0.	Basic Structure Made through Casting	Casting Setup and Cast Iron		

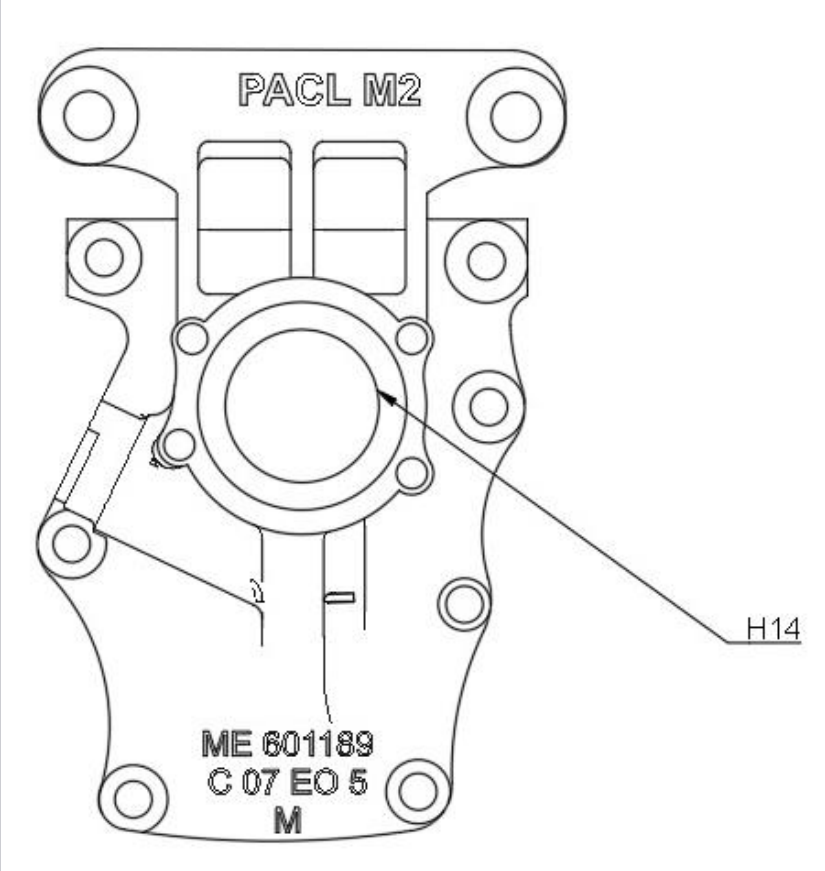
# Process Sheet

S.no.	Part	Machine	Tool	Location	Fixture
1.	F1, F2, F3 , F4	Horizontal milling & Filing	WC (Tungsten Carbide)		Bench vise

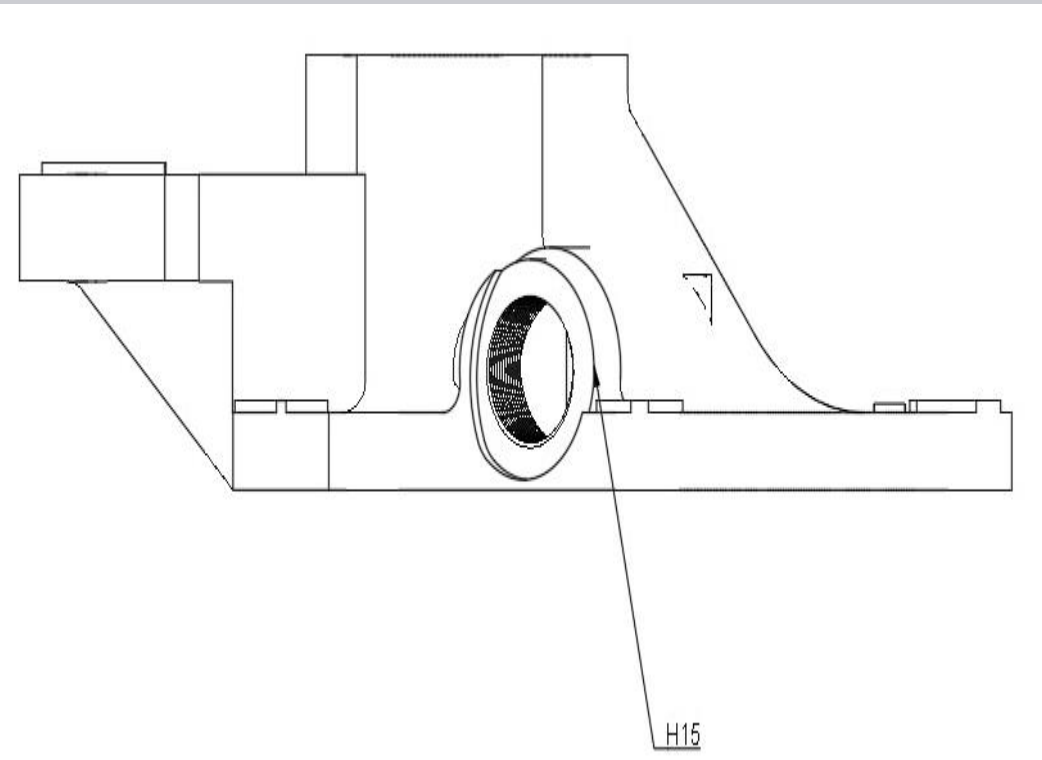
S.no	Description	Machine	Tool	Location	Diameter
2.	H2, H3,H4, H5, H6, H7, H8 (Through and through holes)	Radial Drilling	Drill bits  Tungsten Carbide		27.02 mm

S.no	Part	Machine	Tool	Location	Diameter
3.	H1, H9	Radial Drilling machine & Vertical Boring Machine	Drill bits and end milling cutters  WC (Tungsten Carbide)	 <p>Technical drawing of a mechanical part, likely a valve body or similar component. The drawing shows a symmetrical, somewhat rectangular shape with rounded corners and a central circular feature. Key features include:           <ul style="list-style-type: none"> <li>Two circular features at the top corners, labeled H9 and H1 with leader lines.</li> <li>Text 'PACL M2' centered above the central circular feature.</li> <li>Text 'ME 601189', 'C 07 EO 5', and 'M' at the bottom.</li> <li>Various other circular features and internal structures are visible.</li> </ul> </p>	32mm

S.no	Part	Machine	Tool	Location	Hole Diameter
4.	H10, H11, H12, H13	Radial Drilling machine and vertical boring machine  Depth – 25 mm	Drill bits and end milling cutters  WC (Tungsten Carbide)		10mm

S.no .	Description	Machine	Tool	Location	Fixture
5	H14	Core and Casting  Then Boring	Drill bits and end milling cutters  WC (Tungsten Carbide)		Bench Vise



S.no .	Description	Machine/ Process	Tool	Location	Dimensi on
6	H15	Radial Drilling machine, vertical boring & Internal Threading	Drill bits and end milling cutters  WC (Tungsten Carbide)	 <p>The image is a technical line drawing of a mechanical component, labeled 'H15' with a leader line pointing to a central circular feature. The component has a complex, stepped profile. It features a central hole that appears to be a through-hole. To the left of the central hole, there is a rectangular block. To the right, there is a sloped surface and a smaller rectangular block. A chamfer is indicated on the top right edge with a 45-degree symbol. The drawing is a 2D orthographic projection, likely a side or front view.</p>	34mm



Galaxy A13





Thank You !

